

Mineral Industry Surveys

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ALUMINUM IN SEPTEMBER 2002

The reported domestic primary aluminum production in September was 226,894 metric tons (t). The average daily production rate was 7,563 t, 1% below that of the previous month but 10% higher than the rate for September 2001.

The monthly average U.S. market price of primary aluminum ingot increased slightly from 62.55 cents per pound in August to 62.62 cents per pound in September, according to Platts Metals Week. The American Metal Market buying price range for aluminum used beverage cans (UBCs) began the month at 44.5-46 cents per pound. The price range increased on September 5 to 45-47 cents per pound, and again on September 10 to 46-47.5 cents per pound. On September 23, the price range narrowed to 46-47 cents per pound, and on September 27, the price range decreased by a half penny to 45.5-46.5 cents per pound, where it

remained through the end of the month. According to Resource Recycling's Container Recycling Report, the average monthly transaction price for aluminum UBCs increased from 45.8 cents per pound in August to 47.4 cents per pound in September.

Update

The monthly average U.S. market price of primary aluminum ingot increased from 62.62 cents per pound in September to 63.05 cents per pound in October. The American Metal Market buying price range for aluminum UBCs increased several times during the month of October. On October 4, the price range increased to 45.5-47 cents per pound; on October 8, it was 46-48 cents per pound, and on October 24, it was 47-49 cents per pound, where it remained through the end of the month.

TABLE 1
COMPONENTS OF ALUMINUM SUPPLY 1/

(Thousand metric tons)

Period	Primary production	Secondary recovery 2/			Imports for consumption			Total new supply 3/	Total stocks, end of period 4/
		New	Old	Total	Metals and alloys, crude	Plates, sheets, bars, etc.	Total		
2001: 5/	2,637	1,770	1,210	2,980	2,560	683	3,240	8,860	1,300
2001:									
September	206	159	106	265	252	56	308	779	1,390
October	214	172	112	284	220	58	278	777	1,360
November	208	152	106	258	248	57	305	771	1,310
December	205	133	94	227	227	44	271	703	1,300
January-September	2,010	1,430	946	2,370	1,870	524	2,390	6,770	1,390
2002:									
January	210	147	102	249	272	58	330	789	1,290
February	197	141	93	234	205	52	257	688	1,270
March	220	153	99	252	233	62	285	757 r/	1,320
April	216	148	96	245	221	65	286	747	1,310
May	228	154	98	252	221	76	297	777	1,280
June	225	150	95	245	263	71	334	805	1,320 r/
July	238	145	100	245 r/	228	74	302	785	1,290 r/
August	237	148 r/	101 r/	249 r/	279	77	356	842	1,340
September	227	147	94	241	NA	NA	NA	NA	NA
January-September	1,999	1,330	878	2,210	NA	NA	NA	NA	NA

r/ Revised. NA Not available.

1/ Data are rounded to no more than three significant digits, except "Primary production"; may not add to totals shown.

2/ Metallic recovery from purchased, tolled, or imported scrap, expanded for full coverage of industry.

3/ Primary production, secondary recovery, and imports for consumption.

4/ Includes scrap; data from the Aluminum Association Inc.

5/ Includes monthly and annual data.

TABLE 2
ESTIMATED FULL COVERAGE CONSUMPTION OF AND METALLIC RECOVERY FROM PURCHASED NEW AND OLD ALUMINUM SCRAP 1/

(Thousand metric tons)

Period	Secondary smelters		Integrated aluminum companies		Independent mill fabricators		Foundries		Other consumers		Total	
	Con-sump-tion	Metal recovery	Con-sump-tion	Metal recovery	Con-sump-tion	Metal recovery	Con-sump-tion	Metal recovery	Con-sump-tion	Metal recovery	Con-sump-tion	Metal recovery
2001: 2/	1,810	1,350	946	823	765	706	98	88	13	13	3,630	2,980
2001:												
September	170	128	78	68	66	61	9	7	1	1	324	265
October	186	139	80	70	69	63	12	11	1	1	348	284
November	171	127	74	64	61	56	10	9	1	1	317	258
December	163	120	62	54	50	46	8	7	(3/)	(3/)	284	227
January-September	1,530	1,150	691	601	597	550	76	68	5	5	2,900	2,370
2002:												
January	150	111	80	69	62	57	11	10	1	1	303	249
February	146	108	69	60	61	56	11	10	1	1	287	234
March	152	113	79	69	64	60	11	10	1	1	307	252
April	150	112	71	62	63	58	13	12	1	1	298	245
May	152	113	73	63	68	63	13	12	(3/)	(3/)	307	252
June	150	112	65	56	70	65	12	11	(3/)	(3/)	298	245
July	149	111	66	56	74	69	9	8	(3/)	(3/)	299	245 r/
August	151	112	67 r/	58	74 r/	69 r/	11 r/	10 r/	(3/)	(3/)	304 r/	249 r/
September	150	112	61	52	72	67	11	10	(3/)	(3/)	294	241
January-September	1,350	1,000	631	545	609	564	102	93	5	5	2,700	2,210

r/ Revised.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ Includes monthly and annual data.

3/ Less than 1/2 unit.

TABLE 3
CONSUMPTION OF AND RECOVERY FROM PURCHASED
NEW AND OLD ALUMINUM SCRAP IN SEPTEMBER 2002 1/

(Metric tons)

	Consumption		Calculated metallic recovery	
	Tabulated reports	Estimated full coverage	Tabulated reports	Estimated full coverage
Secondary smelters	125,000	150,000	93,000	112,000
Integrated aluminum companies	60,800	60,800	52,200	52,200
Independent mill fabricators	59,800	71,800	55,500	66,600
Foundries	9,140	11,000	8,230	9,870
Other consumers	357	428	357	428
Total	255,000	294,000	209,000	241,000

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

TABLE 4
PURCHASED AND TOLL-TREATED ALUMINUM-BASE SCRAP AND SWEATED PIG IN 2002 1/

(Metric tons)

	September			January-September 2/		
	Stocks, opening	Net receipts 3/	Melted or consumed	Stocks, closing	Net receipts 3/	Melted or consumed
New scrap:						
Solids	26,800 r/	83,400	73,600	36,600	686,000	678,000
Can stock clippings	2,370 r/	18,400	19,500	1,320	168,000	170,000
Other clippings	5,600 r/	11,000	11,100	5,590	99,800	101,000
Borings and turnings	4,580 r/	18,600	18,900	4,360	173,000	173,000
Dross and skimmings	2,710	34,300	34,300	2,710	307,000	307,000
Total new scrap	42,100 r/	166,000	157,000	50,600	1,430,000	1,430,000
Old scrap:						
Used casting, sheet, clippings	11,700	33,000	33,200	11,500	295,000	294,000
Aluminum-copper radiators	1,930 r/	2,040	2,100	1,870	20,900	21,000
Used cans (shredded, loose, baled)	37,900 r/	58,800	52,800	43,800	531,000	520,000
Fragmentized shredder (auto shredder)	4,180	8,800	8,880	4,100	80,000	81,500
Total old scrap	55,700 r/	103,000	97,000	61,300	927,000	916,000
Sweated pig	152 r/	975	977	149	8,810	8,830
Total all classes	97,900 r/	269,000	255,000	112,000	2,370,000	2,350,000

r/ Revised.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ Includes revised data from previous month(s).

3/ Includes data on imported aluminum-base scrap.

TABLE 5
ALUMINUM ALLOYS PRODUCED AT SECONDARY SMELTERS IN THE UNITED STATES FOR 2002 1/ 2/

(Metric tons)

	September				January-September 3/	
	Stocks, opening	Production	Net shipments	Stocks, closing	Production	Net shipments
Die-cast alloys:						
13% Si, 360, etc. (0.6% Cu, max.)	4,280 r/	1,620	1,580	4,310	15,200	15,400
380 and variations	5,540	33,400	33,300	5,610	299,000	298,000
Sand and permanent mold:						
95/5 Al-Si, 356, etc. (0.6% Cu, max.)	3,150	4,110	4,100	3,160	36,800	36,800
No. 319 and variations	10,000	11,100	11,200	9,830	101,000	102,000
F-132 alloy and variations	1,910 r/	1,980	1,870	2,030	18,000	17,800
Al-Zn alloys	630	59	59	630	528	614
Al-Si alloys (0.6% to 2.0% Cu)	91	168	168	91	1,510	1,510
Al-Cu alloys (1.5% Si, max.)	--	191	191	--	1,720	1,720
Other 4/	4,440 r/	9,490	9,120	4,810	84,100	84,600
Wrought alloys:						
Extrusion billets	10,300	17,500	17,100	10,700	157,000	156,000
Total all alloys	40,300 r/	79,600	78,800	41,100	714,000	714,000
Less:						
Primary aluminum consumed	XX	6,580	XX	XX	56,100	XX
Primary silicon consumed	XX	3,520	XX	XX	32,400	XX
Other alloying ingredients consumed	XX	505	XX	XX	6,070	XX
Net metallic recovery from aluminum scrap and sweated pig consumed in production of secondary aluminum ingot 5/	XX	69,000	XX	XX	620,000	XX

r/ Revised. XX Not applicable. -- Zero.

1/ Excludes integrated aluminum companies.

2/ Data are rounded to no more than three significant digits; may not add to totals shown.

3/ Includes revised data from previous month(s).

4/ Includes alloys No. 12, Al-Mg, Al-Si-Cu-Ni, aluminum-base hardeners, variations of these alloys, plus other aluminum alloys.

5/ No allowance made for melt-loss of primary aluminum and alloying ingredients.

TABLE 6
U.S. IMPORTS FOR CONSUMPTION OF ALUMINUM IN AUGUST 2002 1/

(Metric tons)

Country	Metals and alloys, crude		Plates, sheets, bars, etc.		Scrap		Total	
	August	January- August	August	January- August	August	January- August	August	January- August
Argentina	8,870	56,200	56	363	--	383	8,920	56,900
Australia	8,100	71,900	2	29	16	90	8,110	72,100
Bahrain	1,620	9,730	2,230	11,000	--	--	3,850	20,700
Belgium	--	(2/)	1,240	6,160	--	450	1,240	6,610
Brazil	6,030	21,400	273	833	2,350	11,500	8,650	33,700
Canada	141,000	1,080,000	40,600	308,000	24,900	192,000	206,000	1,580,000
France	188	870	631	4,070	--	2,940	819	7,880
Germany	90	1,490	5,450	39,500	197	4,430	5,730	45,400
Ghana	--	--	--	--	1,110	6,230	1,110	6,230
Hungary	--	--	1,070	5,750	--	--	1,070	5,750
Italy	--	79	302	1,740	--	20	302	1,840
Japan	88	309	749	6,400	25	221	863	6,930
Korea, Republic of	--	3,510	524	3,760	--	99	524	7,360
Mexico	235	2,770	1,220	10,600	5,200	38,200	6,650	51,600
Netherlands	18	294	183	1,880	9	1,570	211	3,740
Norway	305	3,610	3	59	--	--	308	3,670
Russia	74,400	440,000	9,420	43,800	6,480	21,500	90,300	505,000
South Africa	5,920	15,900	2,690	19,400	--	8	8,610	35,300
Spain	29	573	11	126	--	--	40	699
Sweden	2	4	199	2,010	--	143	202	2,160
Switzerland	614	2,690	627	1,950	--	100	1,240	4,740
Ukraine	--	--	--	20	--	--	--	20
United Arab Emirates	6,670	41,900	--	--	147	623	6,820	42,600
United Kingdom	40	651	815	6,310	242	3,540	1,100	10,500
Venezuela	20,000	146,000	2,170	14,000	280	5,020	22,400	165,000
Other	5,080	12,100	6,300	47,300	3,540	25,900	14,900	85,300
Total	279,000	1,910,000	76,800	535,000	44,400	315,000	400,000	2,760,000

-- Zero.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ Less than 1/2 unit.

Source: U.S. Census Bureau.

TABLE 7
U.S. EXPORTS OF ALUMINUM IN AUGUST 2002 1/

(Metric tons)

Country or territory	Metals and alloys, crude		Plates, sheets, bars, etc.		Scrap		Total	
	August	January-August	August	January-August	August	January-August	August	January-August
Australia	3	86	277	1,090	19	196	300	1,370
Belgium	71	182	399	2,720	--	59	470	2,960
Brazil	21	114	2,040	19,900	--	16	2,060	20,000
Canada	8,720	62,000	45,300	316,000	16,400	143,000	70,400	521,000
China	13	41	2,030	21,400	19,600	124,000	21,700	145,000
Czech Republic	--	(2/)	9	16	--	5	9	22
Dominican Republic	--	3	58	518	--	--	58	522
France	--	70	407	2,860	--	6	407	2,940
Germany	49	1,270	297	1,960	25	169	371	3,390
Hong Kong	4	100	218	2,920	419	4,640	642	7,660
India	2	109	45	161	378	2,630	425	2,900
Israel	--	66	105	1,080	--	3	105	1,150
Italy	3	13	110	1,340	--	3	113	1,350
Japan	114	2,830	693	6,570	2,240	18,700	3,040	28,100
Korea, Republic of	22	306	531	5,790	3,550	33,000	4,100	39,100
Malaysia	20	58	134	421	18	524	172	1,000
Mexico	6,250	64,100	10,200	76,300	10,300	64,800	26,800	205,000
Netherlands	14	42	89	628	1	52	105	722
Russia	--	19	--	26	--	9	--	54
Saudi Arabia	--	(2/)	1,100	11,400	--	--	1,100	11,400
Singapore	(2/)	90	45	1,840	8	150	54	2,080
Spain	8	43	32	520	19	501	58	1,060
Sweden	(2/)	(2/)	49	466	--	5	49	471
Taiwan	31	147	722	4,810	3,480	18,100	4,230	23,100
Thailand	--	(2/)	884	6,920	40	653	924	7,570
United Kingdom	49	394	732	6,040	43	505	824	6,930
Venezuela	--	4	408	5,360	1	1	409	5,360
Other	97	416	2,670	21,000	226	2,800	2,990	24,200
Total	15,500	133,000	69,600	520,000	56,800	414,000	142,000	1,070,000

-- Zero.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ Less than 1/2 unit.

Source: U.S. Census Bureau.